

Indiana Standards for Eljen GSF Soil Absorption Field Technology

These standards apply to Eljen GSF soil absorption field (SAF) technology manufactured by Eljen Corporation. These standards supersede and replace any previous standards issued by the department for the use of this technology.

I. General requirements:

- A. Eljen GSF systems must be designed and installed according to the *Eljen GSF Indiana Design & Installation Manual, March 2014*, in a manner that complies with 410 IAC 6-8.3, *Residential Onsite Sewage Systems* (except as noted below), or 410 IAC 6-10.1, *Commercial Onsite Sewage Systems* (except as noted below)
- B. Eljen GSF systems must comply with local ordinances, requirements and procedures.
- C. Revisions to the *Eljen GSF Indiana Design & Installation Manual, March 2014* must be approved by the department.

II. Requirements for certification and oversight:

- A. Designers, installers, and all individuals involved in the permitting process, must attend an Eljen GSF Designer and Installer Certification Course presented by Eljen Corporation, or its sanctioned representative, before they may design, install, or permit an onsite system containing an Eljen GSF system.
- B. Eljen Corporation, or its sanctioned representative, must:
 - 1. Notify the department, at least ten (10) working days in advance, of each Eljen GSF Designer and Installer Certification Course offered in Indiana;
 - 2. Offer field demonstrations of Eljen GSF system installations; and
 - 3. Provide designers and installers ongoing consultation, as needed.

III. Requirements for recordkeeping:

- A. Eljen Corporation must provide the department with records, on an ongoing basis, of:
 - 1. Individuals certified for the design, installation or permitting of Eljen GSF systems in Indiana; and
 - 2. Eljen GSF systems installed in Indiana.

IV. Requirements for local health departments, installers, and owners:

- A. Prior to construction of a Eljen GSF system, the installer must notify the local health department, according to written procedures developed by the local health department, as to the start date of construction;
- B. An Eljen GSF system must not be constructed during periods when the soil is sufficiently wet to exceed its plastic limit. **Before installation of the sand bed the soils must pass soil plasticity tests.** Soil plasticity tests of the sand bed site include the evaluation of soil

samples throughout the sand bed site, both at the surface and at the depth of installation, to assure that the plastic limit of the soil is not exceeded. The plastic limit of a soil is exceeded when the soil can be rolled between the palms of the hands to produce a one-eighth (1/8) inch in diameter or smaller roll that does not easily break apart or crumble.

- C. Construction of the Eljen GSF system must proceed based on the approved plan. Any changes, alterations, or additions to the approved plan must be submitted by the installer to the department, or the local health department, whichever has jurisdiction, and approved prior to construction.
- D. After construction of the Eljen GSF system:
 - 1. The owner must permit staff of the department and local health department to make observations of the system, and collect samples, at reasonable times.
 - 2. The owner must immediately notify the local health department if the system shows signs of failure as defined in *410 IAC 6-8.3* or *410 IAC 6-10.1*.

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